



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 147252

TO: Marcela Cordero Garcia

Location: 3C18

Art Unit: 1654

Friday, March 18, 2005

Case Serial Number: 10/646063

From: Mary Jane Ruhl

Location: Biotech-Chem Library

Remsen 1-A-62

Phone: 571-272-2524

maryjane.ruhl@uspto.gov

Search Notes

Examiner Cordero Garcia,

Here are the results for your recent search request.

Please feel free to contact me if you have any questions about these results.

Thank you for using STIC services. We appreciate the opportunity to serve you.

Sincerely,

Mary Jane Ruhl
Technical Information Specialist
STIC
Remsen 1-A-62
Ext. 22524

=> d his ful

(FILE 'HOME' ENTERED AT 13:12:00 ON 18 MAR 2005)

FILE 'HCAPLUS' ENTERED AT 13:12:09 ON 18 MAR 2005

L1 E TEICHER MARTIN H/AU
45 SEA ABB=ON ("TEICHER MARTIN"/AU OR "TEICHER MARTIN H"/AU)
E ANDERSEN NAVALTA/AU
L2 1 SEA ABB=ON "ANDERSEN NAVALTA SUSAN L"/AU
E NAVALTA SUSAN/AU
L3 1 SEA ABB=ON L1 AND L2
SELECT RN L3 1-1

*Inventor
search*

FILE 'REGISTRY' ENTERED AT 13:13:07 ON 18 MAR 2005

L4 24 SEA ABB=ON (124-94-7/BI OR 50-24-8/BI OR 51333-22-3/BI OR
105702-59-8/BI OR 108-24-7/BI OR 115446-51-0/BI OR 144-62-7/BI
OR 152120-54-2/BI OR 152120-55-3/BI OR 174569-25-6/BI OR
25322-68-3/BI OR 35410-28-7/BI OR 4023-02-3/BI OR 4419-39-0/BI
OR 50-22-6/BI OR 663178-12-9/BI OR 663178-13-0/BI OR 663178-14-
1/BI OR 663178-15-2/BI OR 663178-16-3/BI OR 693-23-2/BI OR
7782-44-7/BI OR 9004-61-9/BI OR 9014-55-5/BI)

FILE 'HCAPLUS' ENTERED AT 13:13:14 ON 18 MAR 2005

L5 1 SEA ABB=ON L3 AND L4

FILE 'REGISTRY' ENTERED AT 13:24:34 ON 18 MAR 2005

L6 1 SEA ABB=ON 663178-13-0/RN

*requested compd. -
see yellow tab on
Inventor search*

FILE 'MARPAT' ENTERED AT 13:25:02 ON 18 MAR 2005

L7 0 SEA ABB=ON 663178-13-0/RN

L8 0 SEA ABB=ON 663178-13-0

0 hits - Marpat

FILE 'HCAPLUS' ENTERED AT 13:25:16 ON 18 MAR 2005

L9 1 SEA ABB=ON L6

1 hit - CA Plus

FILE 'BEILSTEIN' ENTERED AT 13:25:36 ON 18 MAR 2005

L10 0 SEA ABB=ON L6

0 hits - Beilstein

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L6 1 SEA FILE=REGISTRY ABB=ON 663178-13-0/RN
 L9 1 SEA FILE=HCAPLUS ABB=ON L6

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L9 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:182656 HCAPLUS

DOCUMENT NUMBER: 140:193853

TITLE: Preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents

INVENTOR(S): Teicher, Martin H.; Andersen-Navalta, Susan L.

PATENT ASSIGNEE(S): The McLean Hospital Corporation, USA

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004017904	A2	20040304	WO 2003-US26233	20030822
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004157810	A1	20040812	US 2003-646063	20030822
PRIORITY APPLN. INFO.:		US 2002-405688P		P 20020823

OTHER SOURCE(S): MARPAT 140:193853

AB The invention features corticosteroids conjugated to either a charged group or a bulky group in a manner that resists in vivo cleavage, the resulting conjugate is a peripherally acting steroid with reduced activity in the central nervous system. The invention provides a method for treating a patient having an inflammatory disease by administering to the patient a corticosteroid conjugate.

IT 663178-13-0P

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

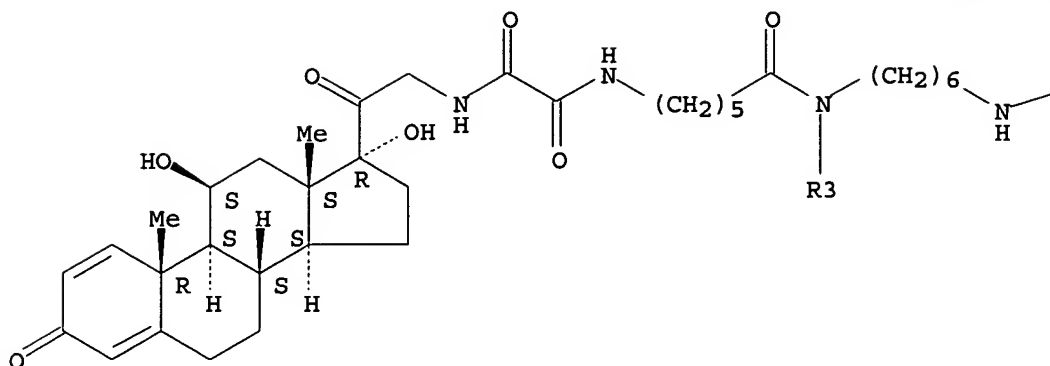
(preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 663178-13-0 HCAPLUS

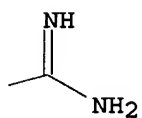
CN Glycinamide, N-[(11 β)-11,17-dihydroxy-3,20-dioxopregna-1,4-dien-21-yl]-2-oxoglycyl-6-aminohexanoyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N2-[6-[(aminoiminomethyl)amino]hexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

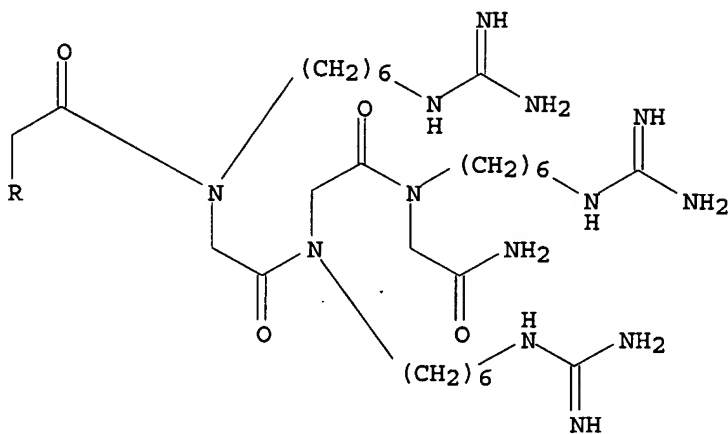
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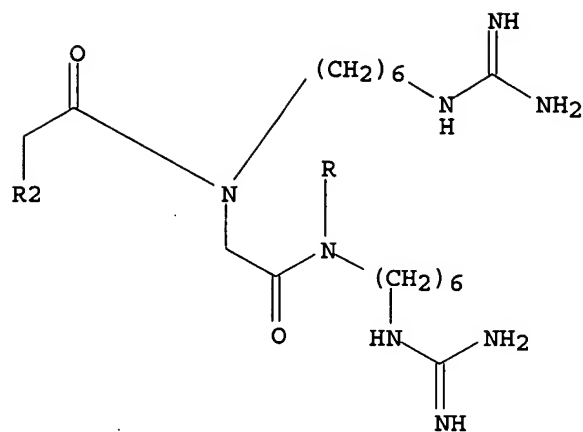
PAGE 1-B



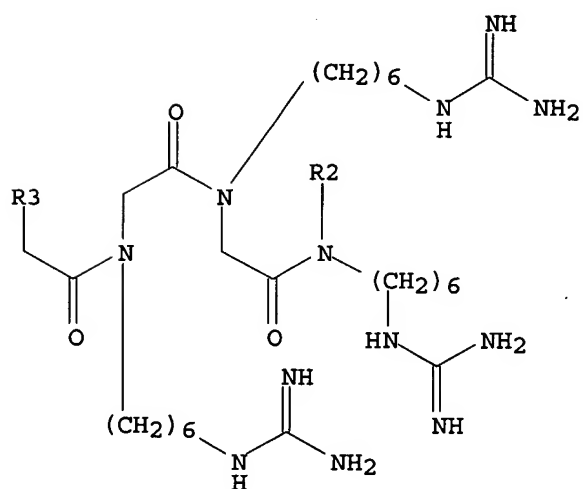
PAGE 2-A



PAGE 3-A



PAGE 4-A



=> d ibib abs hitstr l5 1-1

L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2004:182656 HCAPLUS
 DOCUMENT NUMBER: 140:193853
 TITLE: Preparation of corticosteroid conjugates and
 therapeutic uses thereof as anti-inflammatory agents
 INVENTOR(S): Teicher, Martin H.; Andersen-Navalta,
 Susan L.
 PATENT ASSIGNEE(S): The McLean Hospital Corporation, USA
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004017904	A2	20040304	WO 2003-US26233	20030822
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2004157810 A1 20040812 US 2003-646063 20030822 PRIORITY APPLN. INFO.: US 2002-405688P P 20020823				

OTHER SOURCE(S): MARPAT 140:193853

AB The invention features corticosteroids conjugated to either a charged group or a bulky group in a manner that resists in vivo cleavage, the resulting conjugate is a peripherally acting steroid with reduced activity in the central nervous system. The invention provides a method for treating a patient having an inflammatory disease by administering to the patient a corticosteroid conjugate.

IT 9004-61-9, Hyaluronic acid 25322-68-3, Polyethylene glycol

RL: RCT (Reactant); RACT (Reactant or reagent)
 (-derived corticosteroid; preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

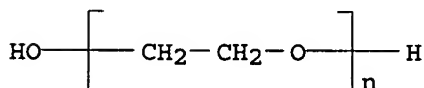
RN 9004-61-9 HCAPLUS

CN Hyaluronic acid (8CI, 9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (9CI) (CA INDEX NAME)



IT 9014-55-5, Tyrosine aminotransferase

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(liver activity, corticosteroid conjugates-induce; preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 9014-55-5 HCAPLUS

CN Aminotransferase, tyrosine (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 50-24-8DP, Prednisolone, C21 and polyguanidine peptoid derivs.

124-94-7DP, Triamcinolone, C16-C17 cyclic acetals and hyaluronic acid conjugates 51333-22-3DP, Budesonide, mPEG conjugates

663178-13-0P 663178-15-2P 663178-16-3P

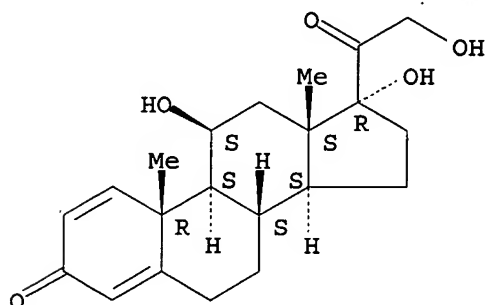
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 50-24-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17,21-trihydroxy-, (11 β)- (9CI) (CA INDEX NAME)

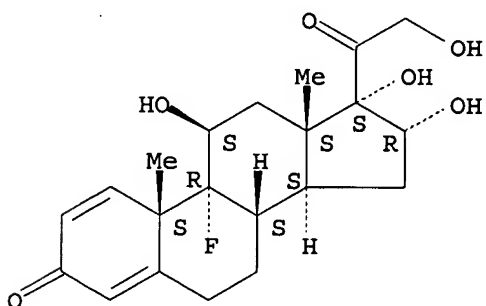
Absolute stereochemistry.



RN 124-94-7 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11,16,17,21-tetrahydroxy-, (11 β ,16 α)- (9CI) (CA INDEX NAME)

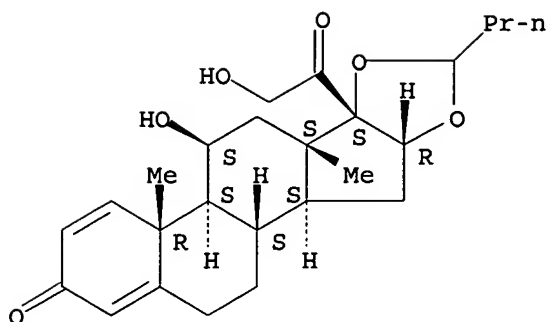
Absolute stereochemistry.



RN 51333-22-3 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-, (11 β ,16 α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

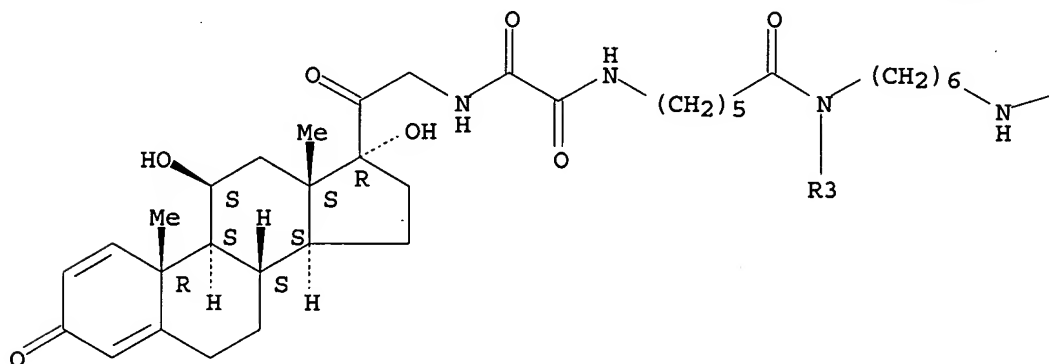


RN 663178-13-0 HCAPLUS

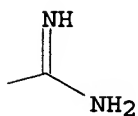
CN Glycinamide, N-[(11 β)-11,17-dihydroxy-3,20-dioxopregna-1,4-dien-21-yl]-2-oxoglycyl-6-aminoheptanoyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N2-[6-[(aminoiminomethyl)amino]hexyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

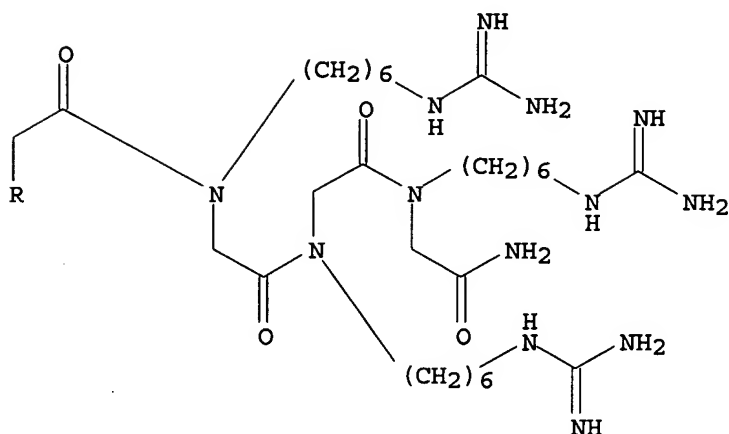
PAGE 1-A



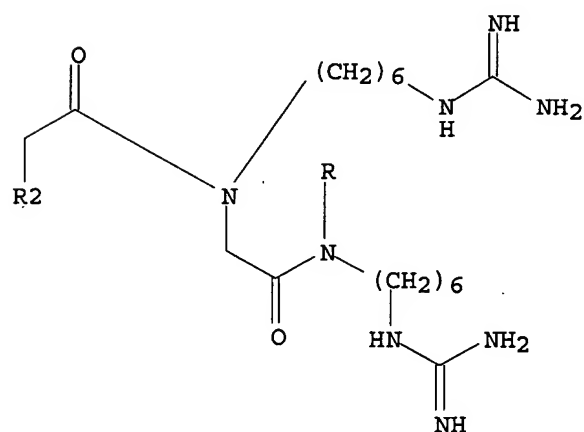
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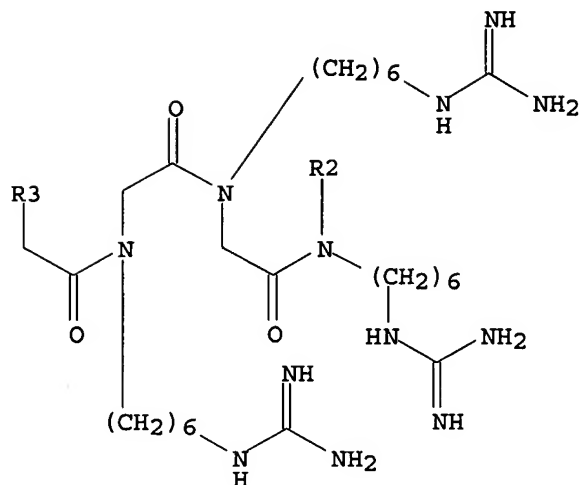
PAGE 2-A



PAGE 3-A



PAGE 4-A

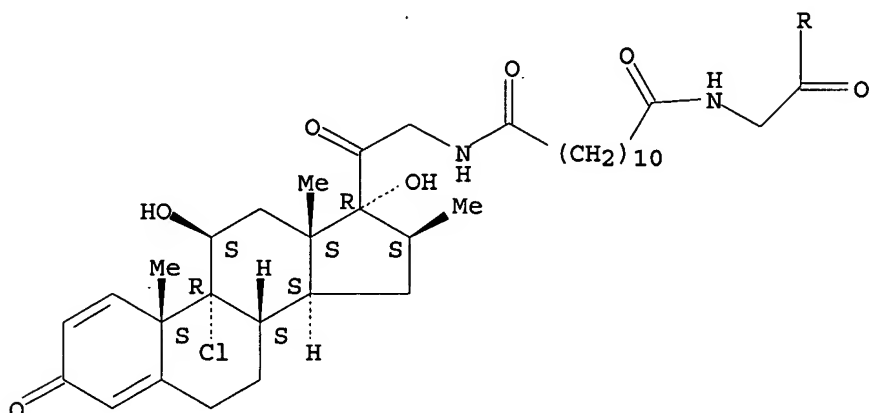


RN 663178-15-2 HCAPLUS

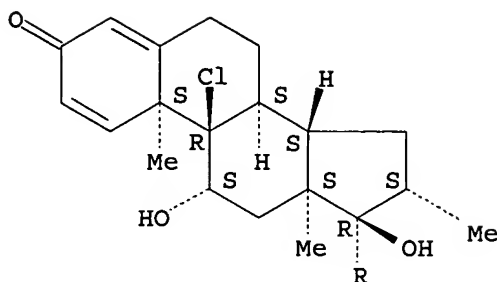
CN Dodecanediamide, N,N'-bis[(11 β ,16 β)-9-chloro-11,17-dihydroxy-16-methyl-3,20-dioxopregna-1,4-dien-21-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



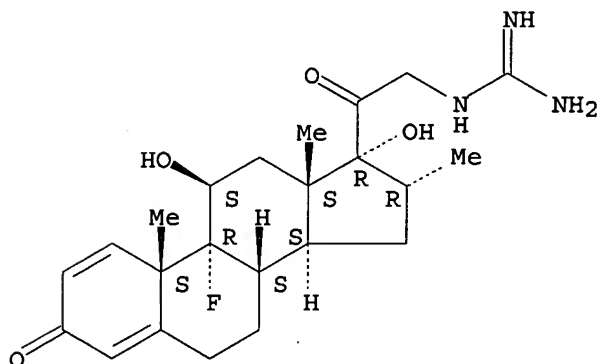
PAGE 2-A



RN 663178-16-3 HCAPLUS

CN Guanidine, [(11 β ,16 α)-9-fluoro-11,17-dihydroxy-16-methyl-3,20-dioxopregna-1,4-dien-21-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



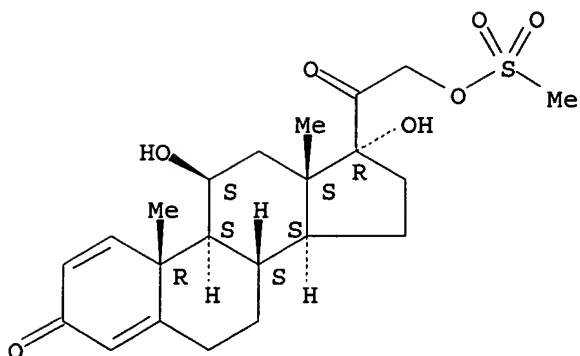
IT 35410-28-7 105702-59-8

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 35410-28-7 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17-dihydroxy-21-[(methylsulfonyl)oxy]-, (11 β)- (9CI) (CA INDEX NAME)

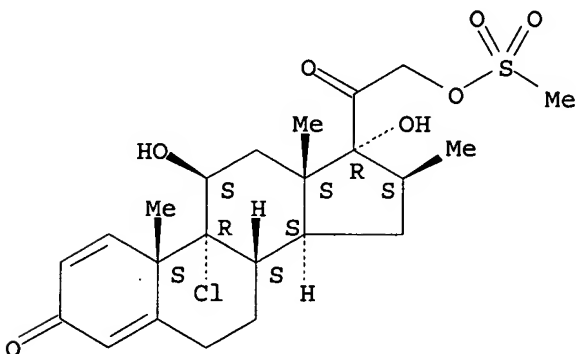
Absolute stereochemistry.



RN 105702-59-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-chloro-11,17-dihydroxy-16-methyl-21-[(methylsulfonyl)oxy]-, (11β,16β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



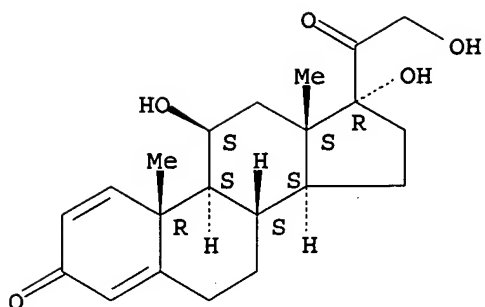
IT 50-24-8, Prednisolone 108-24-7, Acetic anhydride
 124-94-7, Triamcinolone 144-62-7, Oxalic acid, reactions
 693-23-2D, 1,10-Decanedicarboxylic acid, bis activated ester
 4023-02-3, 1H-Pyrazole-1-carboxamide hydrochloride
 4419-39-0, Beclomethasone 51333-22-3, Budesonide
 115446-51-0 152120-54-2, 1H-Pyrazole-1-[N,N'-bis(tert-butoxycarbonyl)carboxamide] 152120-55-3 174569-25-6
 663178-12-9

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

RN 50-24-8 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 11,17,21-trihydroxy-, (11β)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

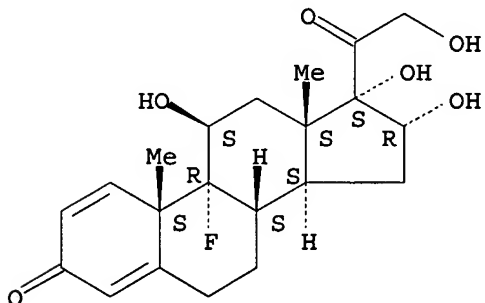


RN 108-24-7 HCAPLUS
 CN Acetic acid, anhydride (9CI) (CA INDEX NAME)

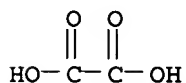
Ac—O—Ac

RN 124-94-7 HCAPLUS
 CN Pregna-1,4-diene-3,20-dione, 9-fluoro-11,16,17,21-tetrahydroxy-,
 (11 β ,16 α)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



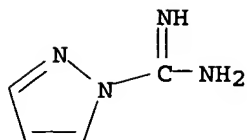
RN 144-62-7 HCAPLUS
 CN Ethanedioic acid (9CI) (CA INDEX NAME)



RN 693-23-2 HCAPLUS
 CN Dodecanedioic acid (6CI, 8CI, 9CI) (CA INDEX NAME)

HO₂C—(CH₂)₁₀—CO₂H

RN 4023-02-3 HCAPLUS
 CN 1H-Pyrazole-1-carboximidamide, monohydrochloride (9CI) (CA INDEX NAME)

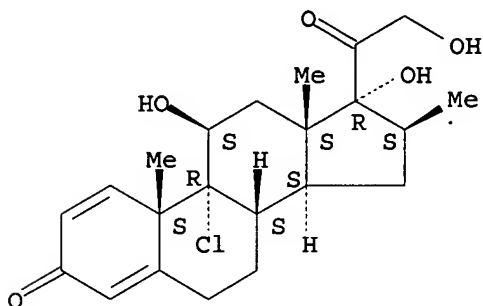


● HCl

RN 4419-39-0 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 9-chloro-11,17,21-trihydroxy-16-methyl-,
(11 β ,16 β) - (9CI) (CA INDEX NAME)

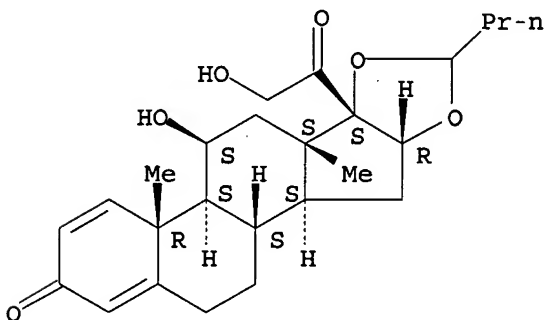
Absolute stereochemistry.



RN 51333-22-3 HCAPLUS

CN Pregna-1,4-diene-3,20-dione, 16,17-[butylidenebis(oxy)]-11,21-dihydroxy-,
(11 β ,16 α) - (9CI) (CA INDEX NAME)

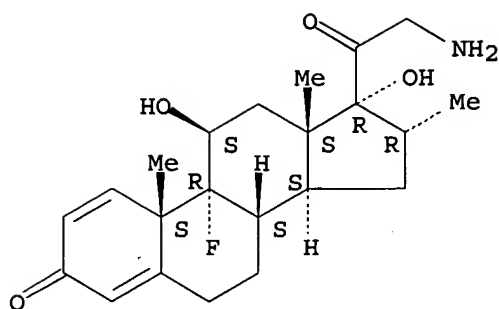
Absolute stereochemistry.



RN 115446-51-0 HCAPLUS

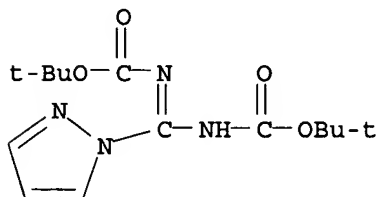
CN Pregna-1,4-diene-3,20-dione, 21-amino-9-fluoro-11,17-dihydroxy-16-methyl-,
(11 β ,16 α) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



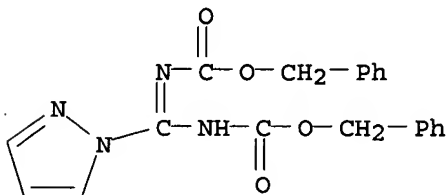
RN 152120-54-2. HCAPLUS

CN Carbamic acid, [[[(1,1-dimethylethoxy)carbonyl]amino]-1H-pyrazol-1-ylmethylene]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



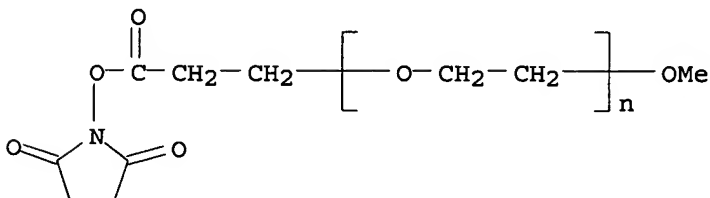
RN 152120-55-3 HCAPLUS

CN Carbamic acid, [[[(phenylmethoxy)carbonyl]amino]-1H-pyrazol-1-ylmethylene]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 174569-25-6 HCAPLUS

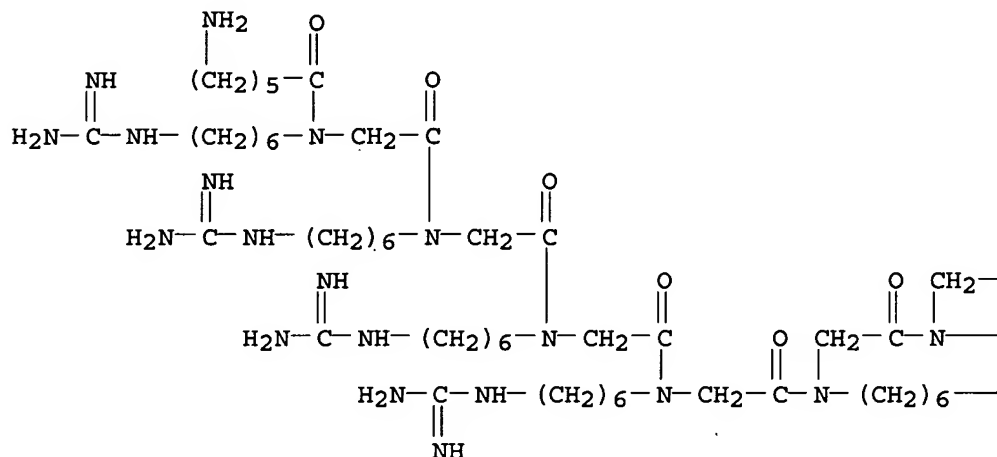
CN Poly(oxy-1,2-ethanediyl), α -[3-[(2,5-dioxo-1-pyrrolidinyl)oxy]-3-oxopropyl]- ω -methoxy- (9CI) (CA INDEX NAME)



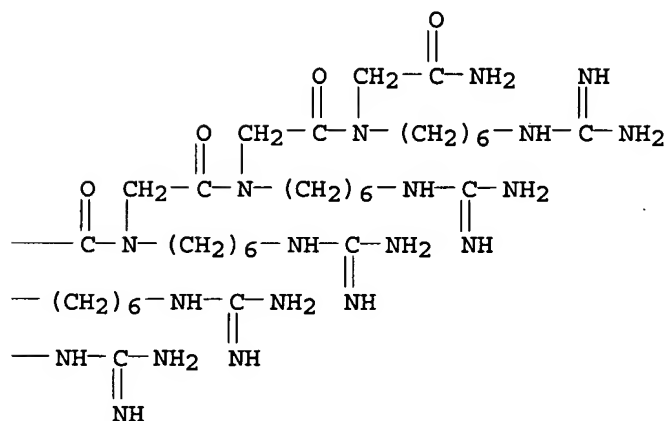
RN 663178-12-9 HCAPLUS

CN Glycinamide, N-[6-[(aminoiminomethyl)amino]hexyl]-N-(6-amino-1-oxohexyl)glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]glycyl-N-[6-[(aminoiminomethyl)amino]hexyl]

PAGE 1-A



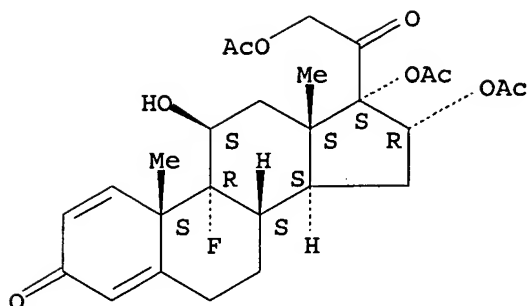
PAGE 1-B



RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of corticosteroid conjugates and therapeutic uses thereof as anti-inflammatory agents)

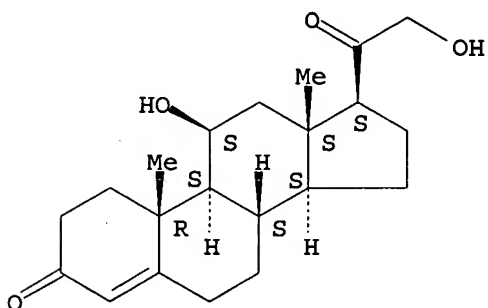
CN Pregna-1,4-diene-3,20-dione, 16,17,21-tris(acetyloxy)-9-fluoro-11-hydroxy-
(11 β ,16 α)- (9CI) (CA INDEX NAME)

Page 11



IT 50-22-6, Corticosterone
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (suppression following treatment; preparation of corticosteroid conjugates
 and therapeutic uses thereof as anti-inflammatory agents)
 RN 50-22-6 HCAPLUS
 CN Pregn-4-ene-3,20-dione, 11,21-dihydroxy-, (11 β)- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



IT 7782-44-7, Oxygen, biological studies
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (toxicity; preparation of corticosteroid conjugates and therapeutic uses
 thereof as anti-inflammatory agents)
 RN 7782-44-7 HCAPLUS
 CN Oxygen (8CI, 9CI) (CA INDEX NAME)

O=O

=> log hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.39	13.33

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.73	-0.73

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:13:56 ON 18 MAR 2005